



HITACHI

SERVICE MANUAL

YK**No.812E****CT1923/CT19Y3/
CT1927/CT19Y7/
CT1927H**

This service manual shows only essential items.

Our complete service manual including "alignment procedure", "trouble shooting" and "technical information" are issued by manual No. 750.

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CAUTION: Before servicing this chassis, it is important that the service technician read the "Safety Precaution" and "Product Safety Notices" in this Service Manual.

SPECIFICATIONS

ANTENNA INPUT IMPEDANCE	300Ω and 75Ω	POWER RATING	CT1923, CT19Y3: 99W
TELEVISION R-F FREQUENCY RANGE			CT1927, CT1927H, CT19Y7: 104W
All 12 VHF Channels	54MHz to 88MHz	CONVERGENCE	Self convergence
	174MHz to 216MHz	FOCUS	Electrostatic
All 70 UHF Channels	470MHz to 890MHz	PICTURE TUBE CT1923, CT19Y7	510YTB22
INTERMEDIATE FREQUENCIES		CT19Y3, CT1927H	19VNC22
Picture I-F Carrier Frequency	45.75MHz	CT1927	19VKUP22
Sound I-F Carrier Frequency	41.25MHz	SOUND OUTPUT	2W, 400Hz
Sound I-F Frequency	4.5MHz	SPEAKER	10 x 15cm, 8Ω
Color Sub-Carrier Frequency	3.58MHz	DIMENSIONS (W)	64.2cm
POWER INPUT	120V, 60Hz	(H)	46.3cm
		(D)	47.7cm
		WEIGHT	appr. 23kg

SPECIFICATIONS AND PARTS ARE SUBJECT TO CHANGE FOR IMPROVEMENT

SOLID STATE COLOR TELEVISION

May 1982**YOKOHAMA WORKS**

SAFETY PRECAUTIONS

NOTICE: Comply with all cautions and safety related notes located on or inside the cabinet and on the chassis or picture tube.

WARNING: Since the chassis of this receiver is connected to one side of AC power supply during operation, whenever the receiver is plugged in, service should not be attempted by anyone unfamiliar with the precautions necessary when working on this type of receiver.

The following precautions should be observed:

1. Do not install, remove, or handle the picture tube in any manner unless shatterproof goggles are worn. People not so equipped should be kept away while picture tubes are handled. Keep picture tube away from the body while handling.
2. When service is required, an isolation transformer should be inserted between power line and the receiver before any service is performed on a "HOT" chassis receiver.
3. When replacing a chassis in the receiver, all the protective devices must be put back in place, such as barriers, non-metallic knobs, adjustment and compartment cover-shields, isolation resistor-capacitor, etc.
4. When service is required, observe the original lead dress. Extra precaution should be taken to assure correct lead dress in the high voltage circuitry area.
5. Always use the manufacturer's replacement components. Especially critical components as indicated on the circuit diagram should not be replaced by other manufacturer's. Furthermore where a short circuit has occurred, replace those components that indicate evidence of overheating.
6. Before returning a serviced receiver to the customer, the service technician must thoroughly test the unit to be certain that it is completely safe to operate without danger of electrical shock, and be sure that no protective device built into the receiver by the manufacturer has become defective, or inadvertently defeated during servicing.

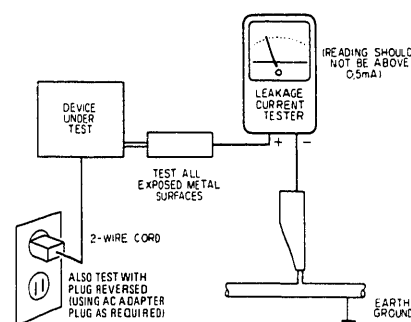
Therefore, the following checks should be performed for the continued protection of the customer and service technician.

Leakage Current Cold Check

With the AC plug removed from the AC120V, 60Hz source, place a jumper across the two plug prongs. Turn the AC power switch on. Using an insulation tester (DC500V), connect one lead to the jumpered AC plug and touch the other lead to each exposed metal part (antennas, screwheads, metal overlays, control shafts, etc.), particularly any exposed metal part having a return path to the chassis. Exposed metal parts having a return path to the chassis should have a minimum resistor reading of $0.3M\Omega$ and a maximum resistor reading of $5M\Omega$. Any resistor value below or above this range indicates an abnormality which requires corrective action. Exposed metal parts not having a return path to the chassis will indicate an open circuit.

Leakage Current Hot Check

Plug the AC line cord directly into a AC120V, 60Hz outlet (do not use an isolation transformer for this check). Turn the AC power switch on. Using a "leakage Current Tester (Simpson Model 229 equivalent)", Measure for current from all exposed metal parts of the cabinet (antennas, screwheads, metal overlays, control shaft, etc.), particularly any exposed metal part having a return path to the chassis, to a known earth ground (water pipe, conduit, etc.). Any current measured must not exceed 0.5mA.



AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE RECEIVER TO THE CUSTOMER.

High Voltage

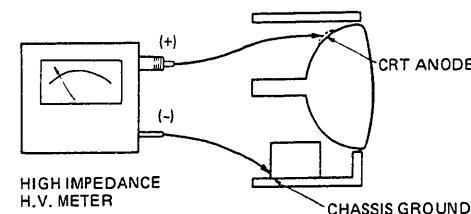
This receiver is provided with a hold down circuit for clearly indicating that voltage has increased in excess of a predetermined value. Comply with all notes described in this Service Manual regarding this hold down circuit when servicing, so that this hold down circuit may correctly be operated.

Serviceman warning

With minimum Brightness and Picture, operating high voltage in this receiver is lower than 31.0KV. In case any component having influence on high voltage is replaced, confirm that high voltage with minimum Brightness and Picture is lower than 31.0KV.

To measure H.V. use a high impedance H.V. meter. Connect (-) to chassis earth and (+) to the CRT anode button. (See the following connection diagram).

NOTE: Turn power switch off without fail before the connection with Anode button is made.



X-radiation

TUBE: The primary source of X radiation in this receiver is the picture tube. The tube utilized for the above mentioned function in this chassis is specially constructed to limit X radiation emissions.

For continued X radiation protection, the replacement tube must be the same type as the original, HITACHI approved type.

When trouble shooting and making test measurements in a receiver with a problem of excessive high voltage, avoid being unnecessarily close to the picture tube and the high voltage component.

Do not operate the chassis longer than is necessary to locate the cause excessive voltage.

PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in HITACHI television receiver have special safety-related characteristics. These are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by making with a Δ on the schematics and on the parts list in this Service Manual.

The use of a substitute replacement component which does not have the same safety characteristics as the HITACHI recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, X-radiation, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current HITACHI Service Manual. A subscription to, or additional copies of, HITACHI Service Manual may be obtained at a nominal charge from HITACHI SALES CORPORATION.

TECHNICAL CAUTIONS

[CHECK OF HIGH VOLTAGE HOLD DOWN CIRCUIT]

Checking of the high voltage hold down circuit operation

1. Turn the switch of the set OFF.
2. Connect a high voltage voltmeter between the CRT anode and the chassis ground (K3) as shown in Fig. 1.
3. Short-circuit between the case of IC901 and +B using a shorting lead wire as shown in Fig. 2.
4. Set Brightness/Picture controls to max.
5. Turn the switch of the set ON after setting the AC input voltage to 0V, and then gradually increase the AC input voltage and check that the picture disappears when the high voltage is less than 31.0 KV.
6. Turn the switch of the set OFF immediately after checking that the picture disappears.
7. Remove the adjusting jig and the voltmeter.

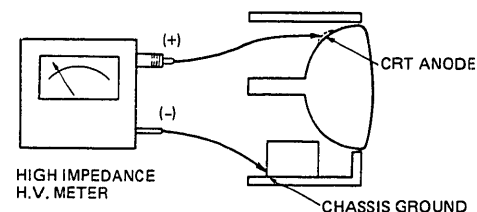


Fig. 1 Connection of H.V. Meter

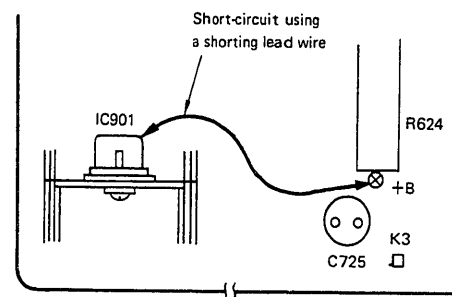
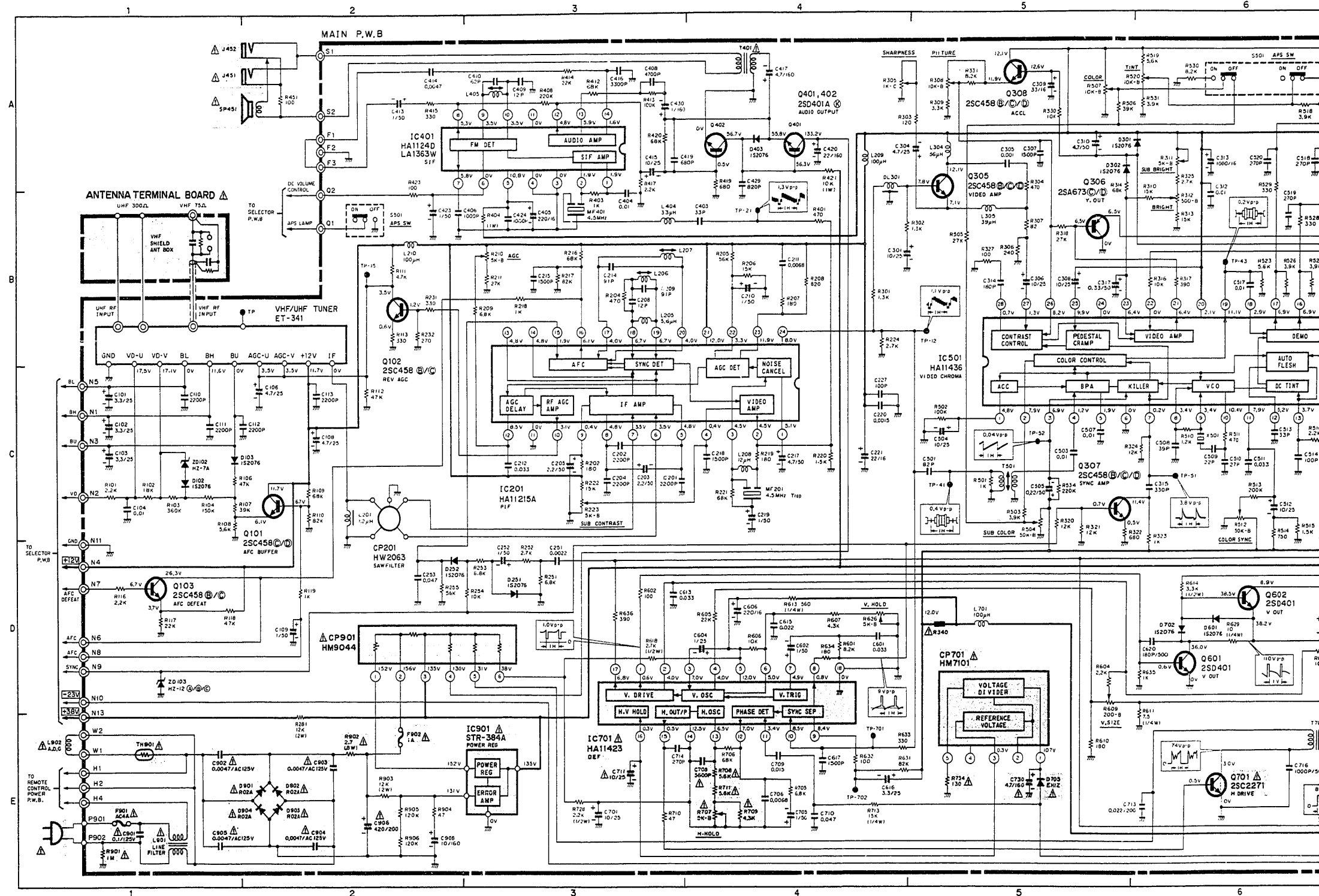


Fig. 2

BASIC CIRCUIT DIAGRAM (CT1927)

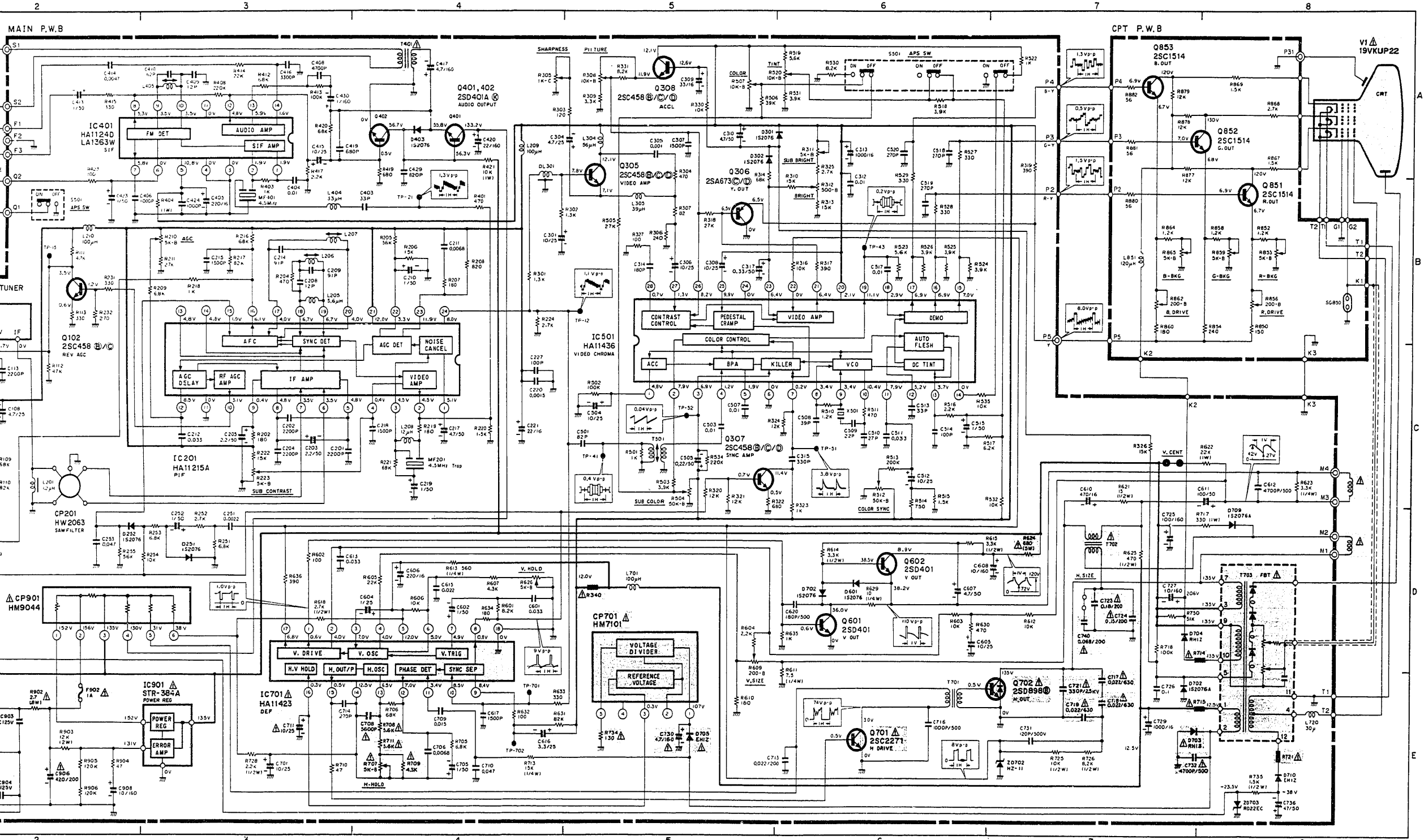
PRODUCT SAFETY Manual. Don't degrade safety. Before replacing



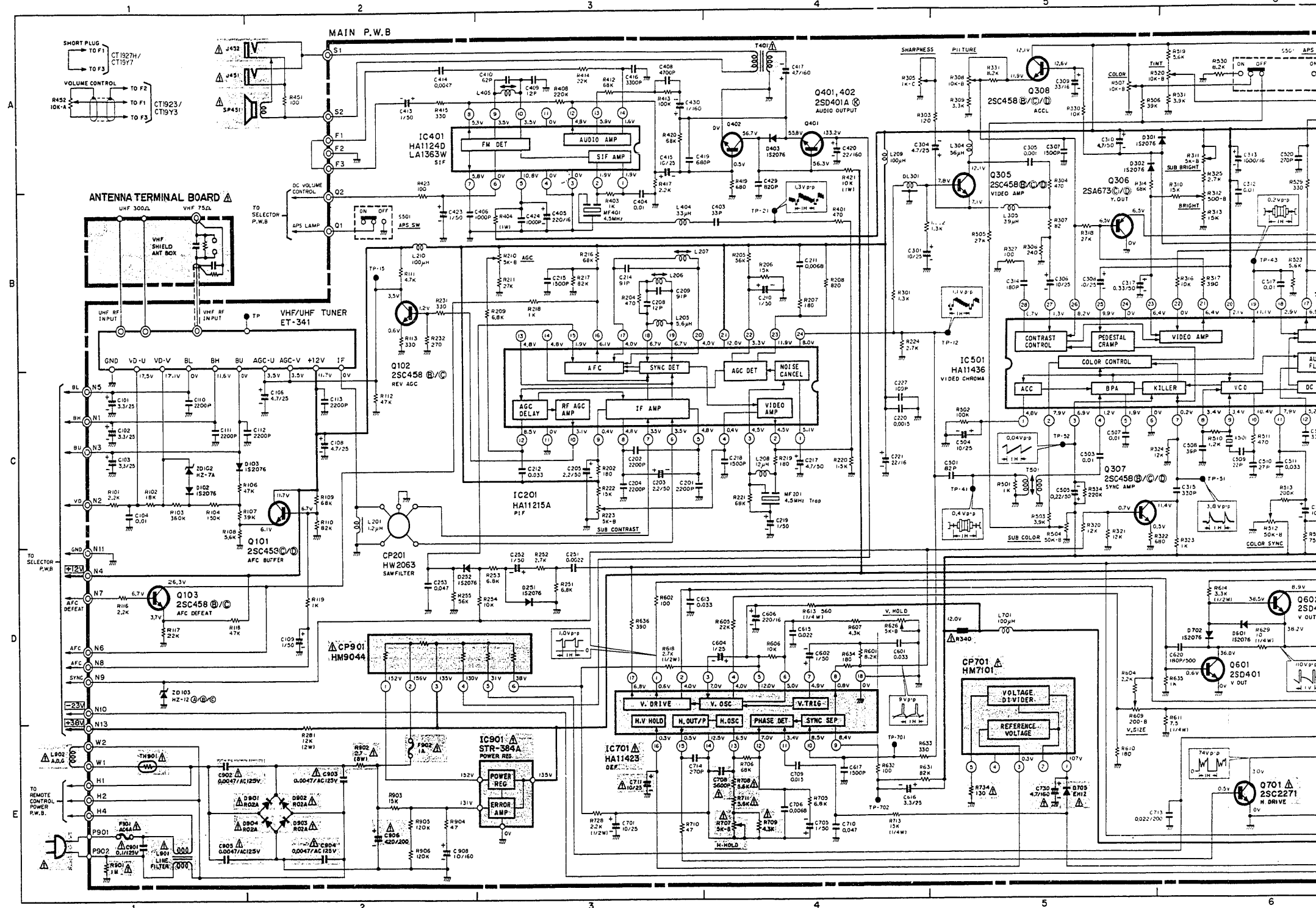
• Since th
• All DC V
Voltage

BASIC CIRCUIT DIAGRAM (CT1927)

PRODUCT SAFETY NOTE: Components marked with a ¹ and shaded have special characteristics important to safety. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver though improper servicing.

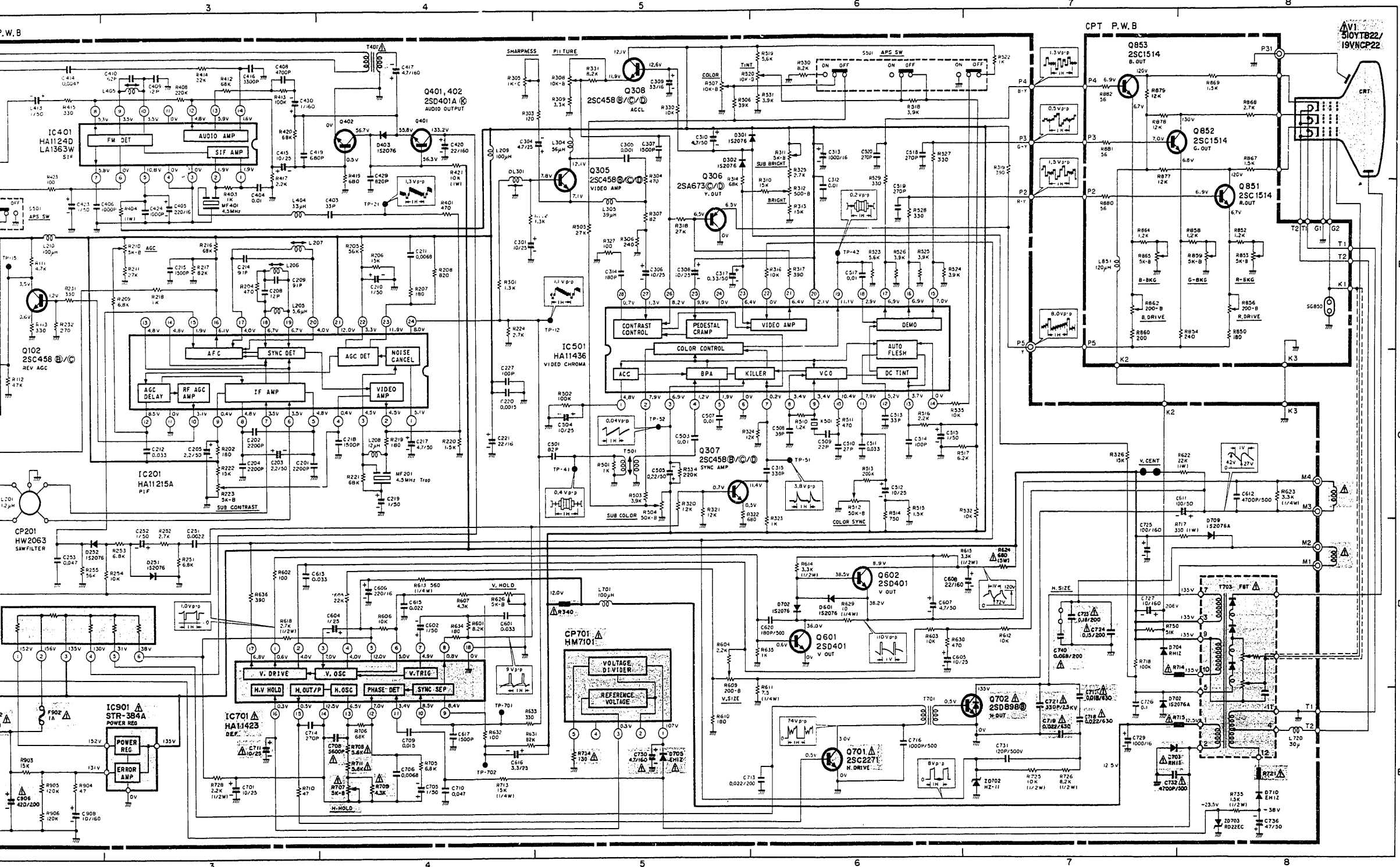


- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.
- All DC voltage to be measured with a tester (100k Ω /V).
- Voltage taken on a complex color bar signal including a standard color bar signal.



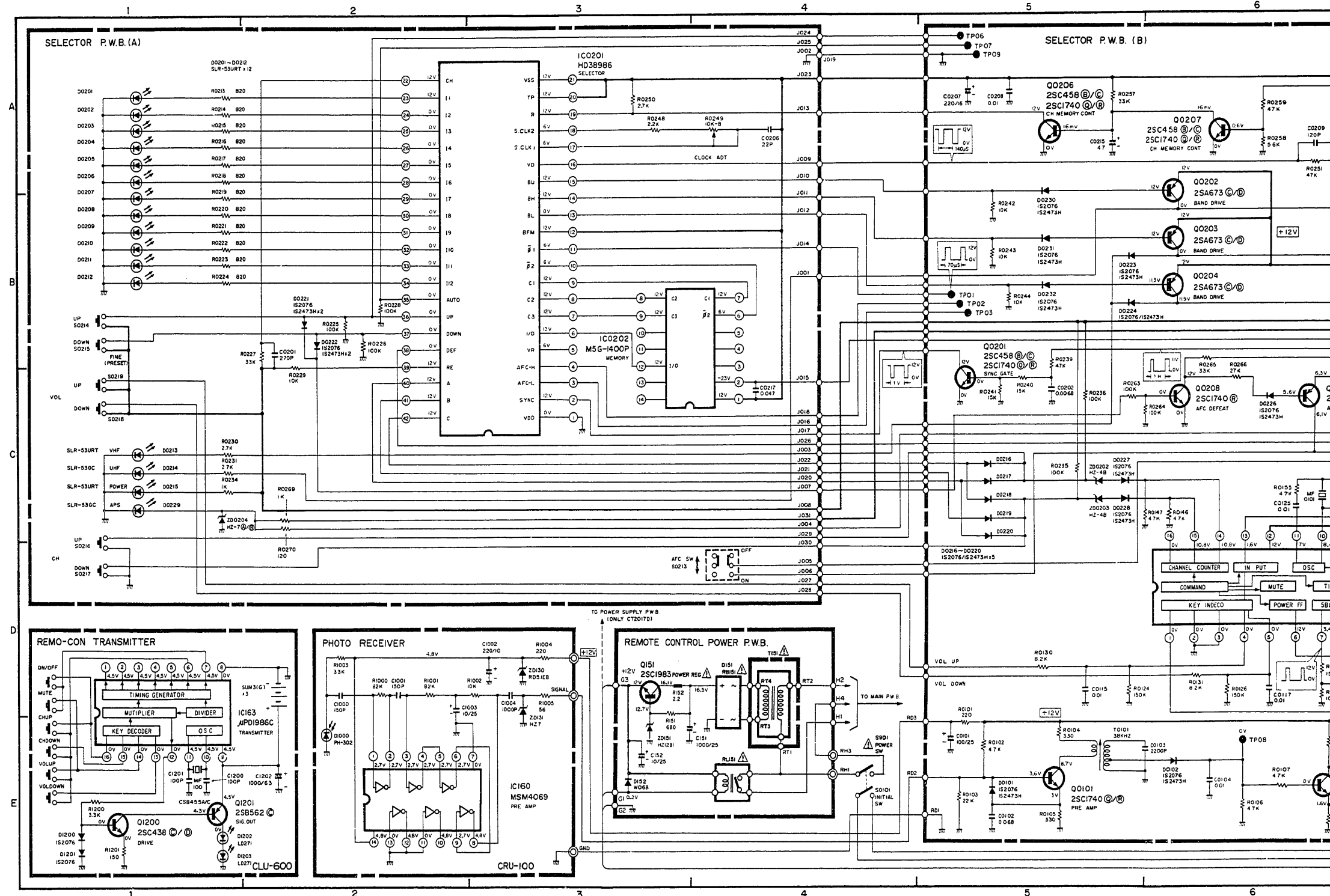
BASIC CIRCUIT DIAGRAM (CT1923/CT19Y3/CT19Y7/CT1927H)

PRODUCT SAFETY NOTE: Components marked with a Δ and shaded have special characteristics important to safety. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver though improper servicing.

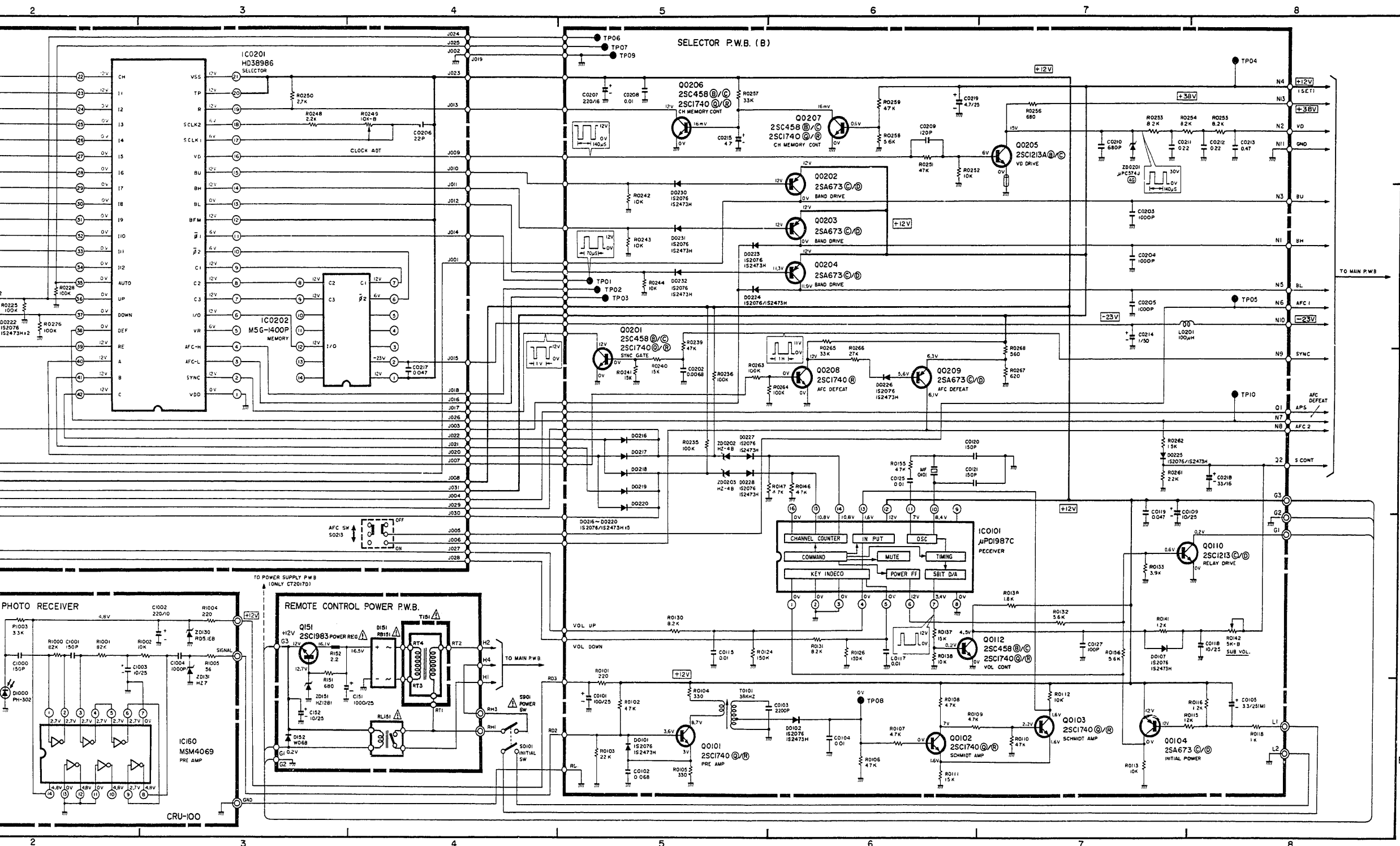


- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.
 - All DC voltage to be measured with a tester (100k Ω /V).
- Voltage taken on a complex color bar signal including a standard color bar signal.

REMOTE CONTROL/SELECTOR CIRCUIT DIAGRAM (CT1927/CT19Y7/CT1927H)



REMOTE CONTROL/SELECTOR CIRCUIT DIAGRAM (CT1927/CT19Y7/CT1927H)



The diagram illustrates the internal wiring of a television's selector panel, organized into two primary functional areas:

- SELECTOR P.W.B (A):** This section manages channel selection and basic controls. It features a multi-position selector switch (S0201-S0212) that routes signals through a series of diodes (D0201-D0212) and resistors (R0201-R0224) to a central IC0201 HD38986 selector chip. Other components include a memory unit (IC0202 M5G-1400P), control inputs for UP/DOWN channels, fine preset, and an AFC switch (S0213).
- SELECTOR P.W.B (B):** This section handles signal processing and synchronization. It includes three band drive units (Q0202, Q0203, Q0204) for different frequency ranges, a sync gate (Q0201), and an AFC defeat circuit (Q0208, Q0209). Various timing and biasing networks are implemented using resistors, capacitors, and diodes.

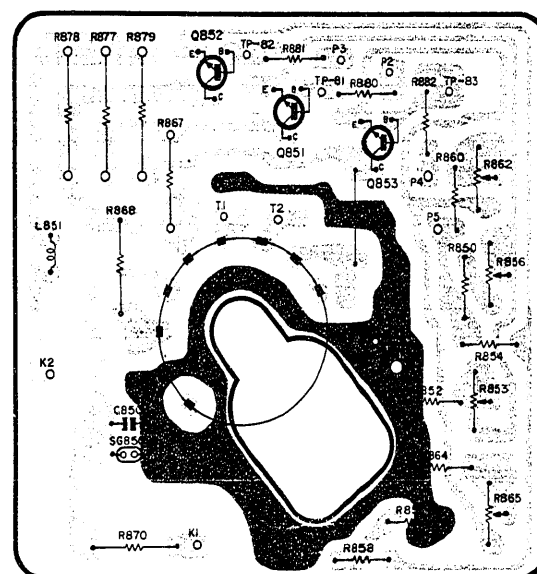
The circuit is powered by multiple voltage rails (+12V, +38V, -23V, 0V) and includes numerous test points (TP01-TP09) for diagnostic purposes. The layout uses a coordinate grid (A-E horizontally, 1-6 vertically) to specify component locations.

CT1923 / CT19Y3 /
CT1927 / CT19Y7 / CT1927H

PRINTED WIRING BOARD

..... +B PATTERN
..... SIGNAL PATTERN
..... GROUND PATTERN

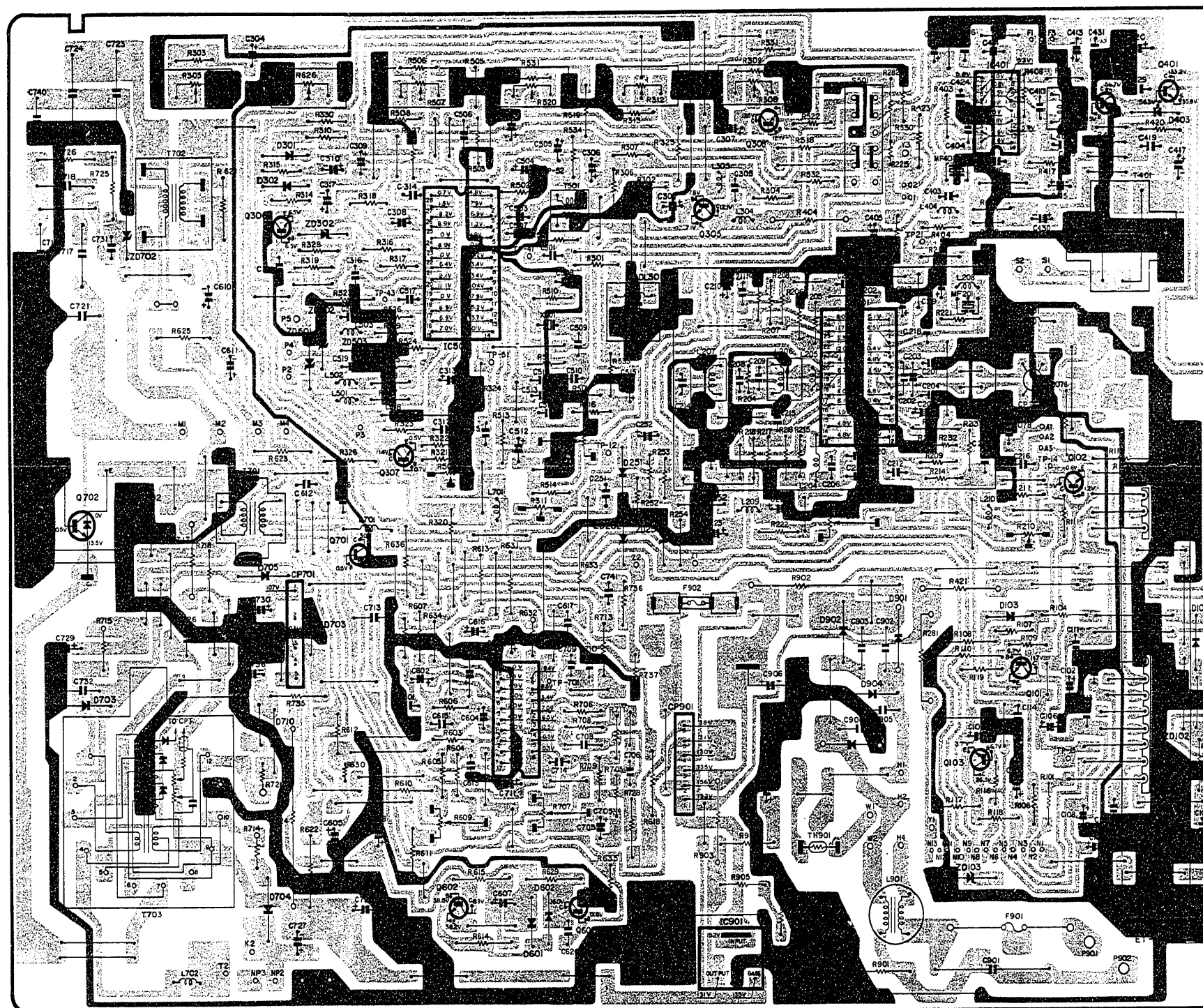
CPT P.W. BOARD



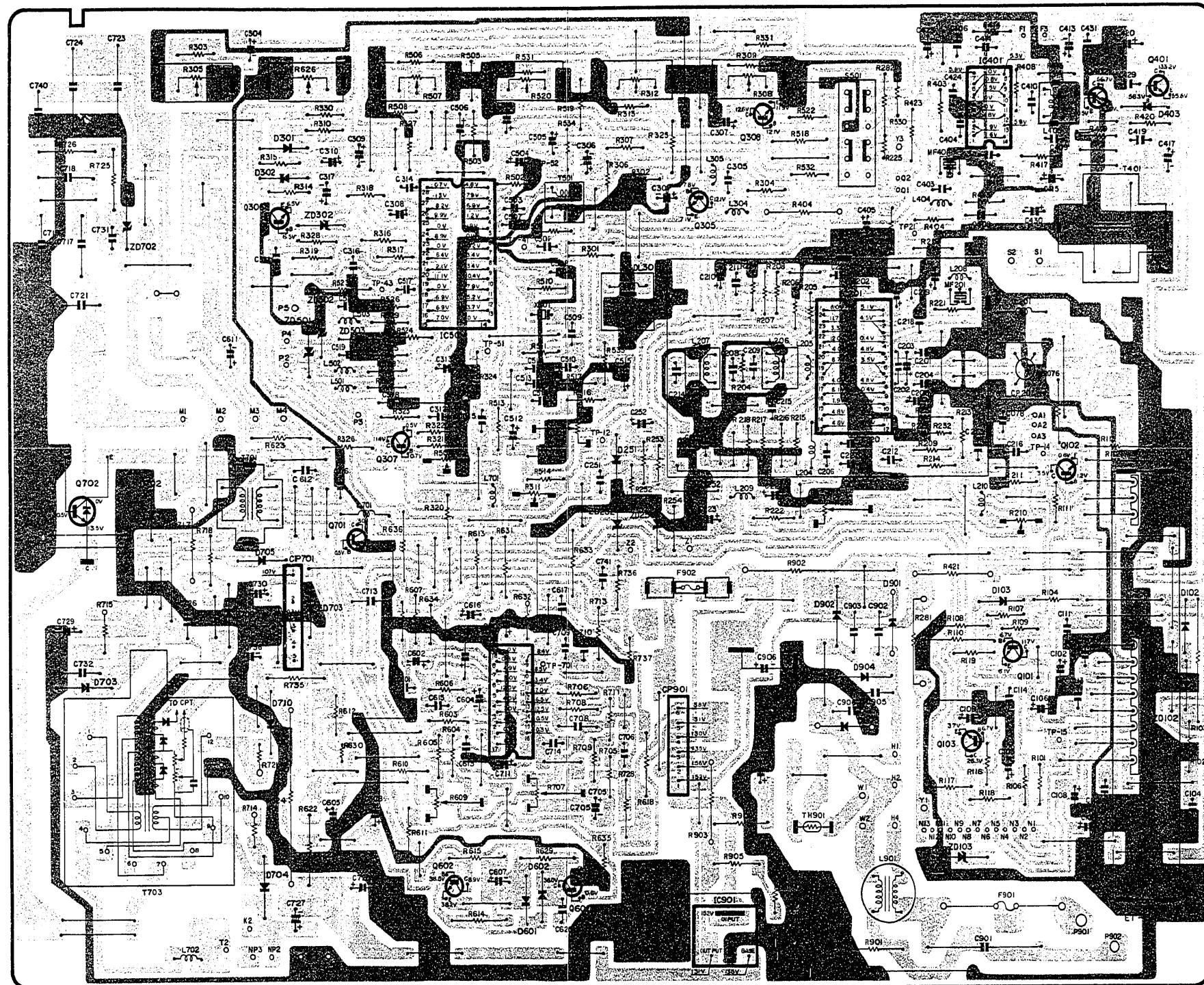
..... +B PATTERN
..... SIGNAL PATTERN
..... GROUND PATTERN

PRINTED WIRING BOARD

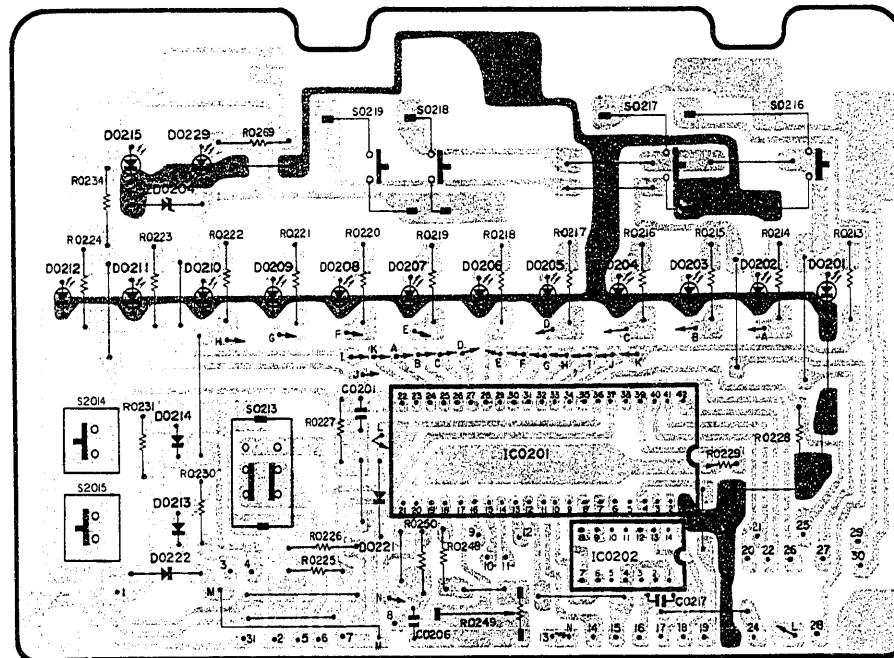
MAIN P.W. BOARD (CT1927)



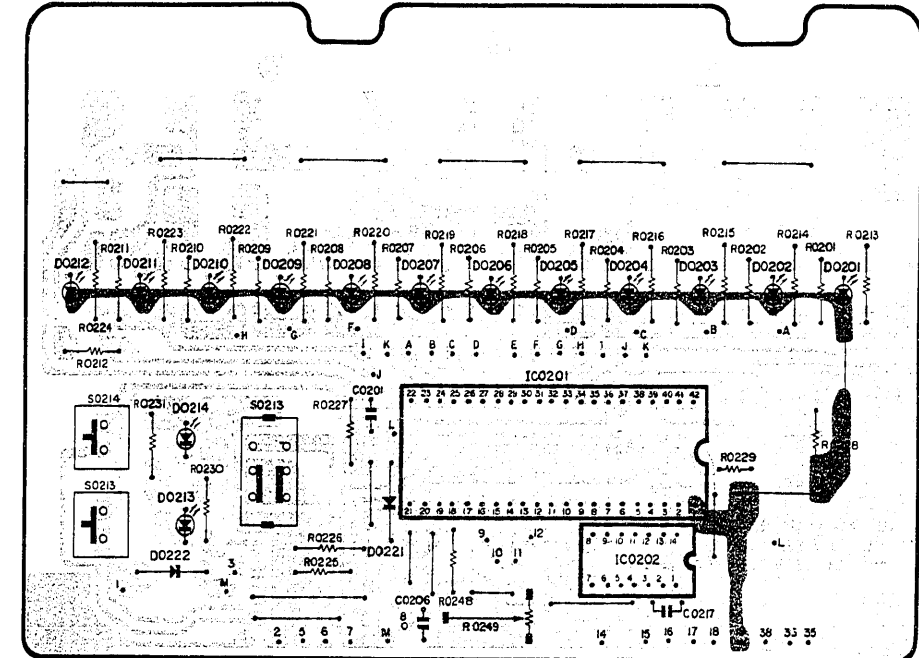
MAIN P.W. BOARD (CT1923/CT19Y3/CT19Y7/CT1927H)



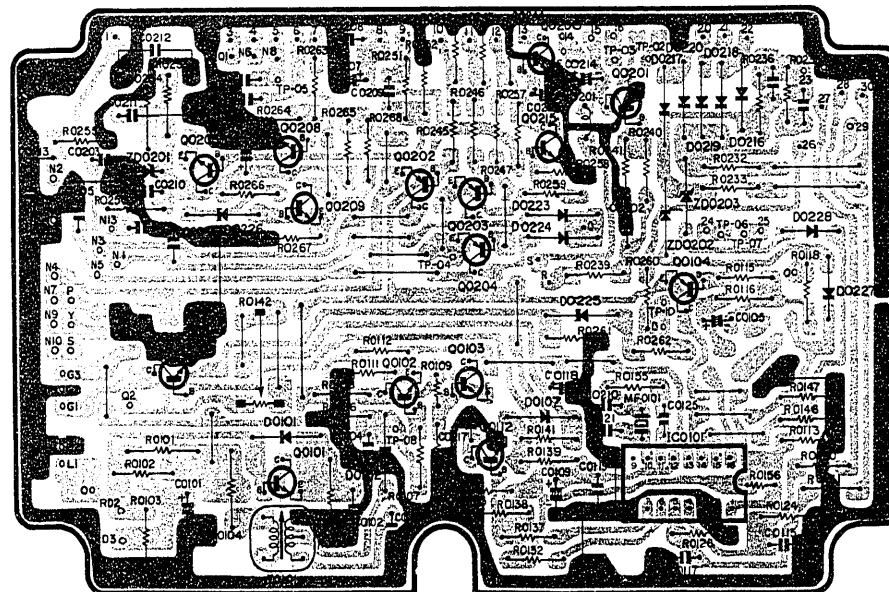
SELECTOR "A" P.W. BOARD (CT1927/CT19Y7/CT1927H)



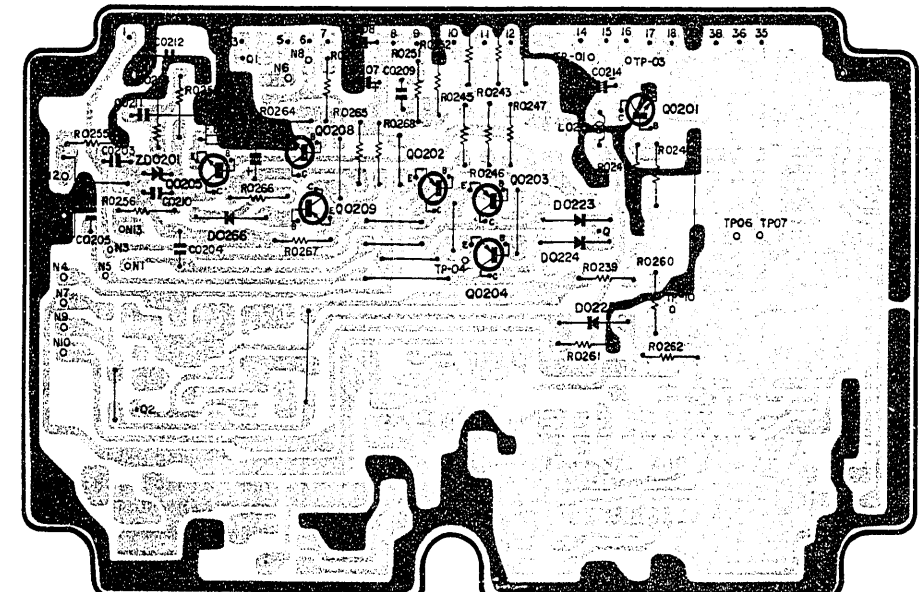
SELECTOR "A" P.W. BOARD (CT1923/CT19Y3)



SELECTOR "B" P.W. BOARD (CT1927/CT19Y7/CT1927H)

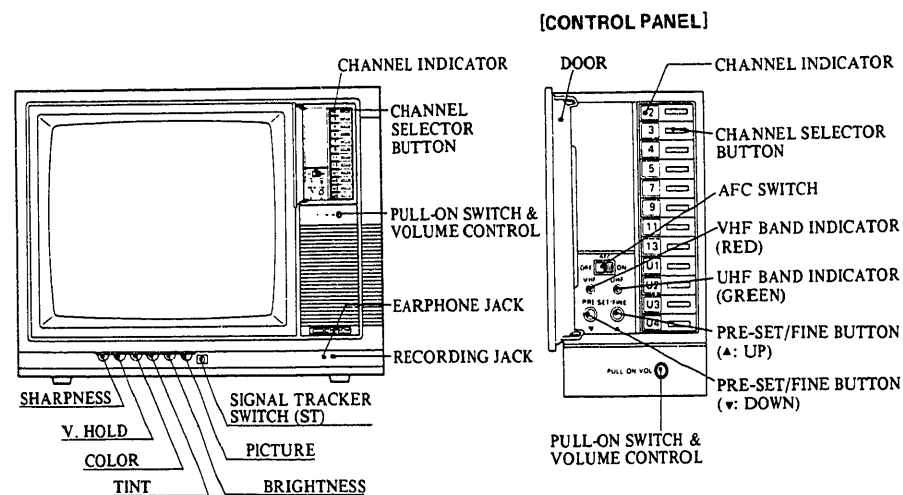


SELECTOR "B" P.W. BOARD (CT1923/CT19Y3)



CONTROLS

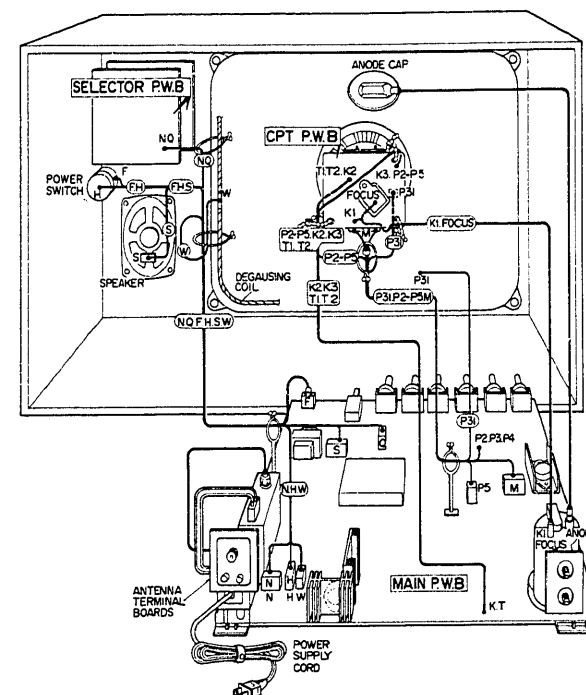
CT1923/CT1963



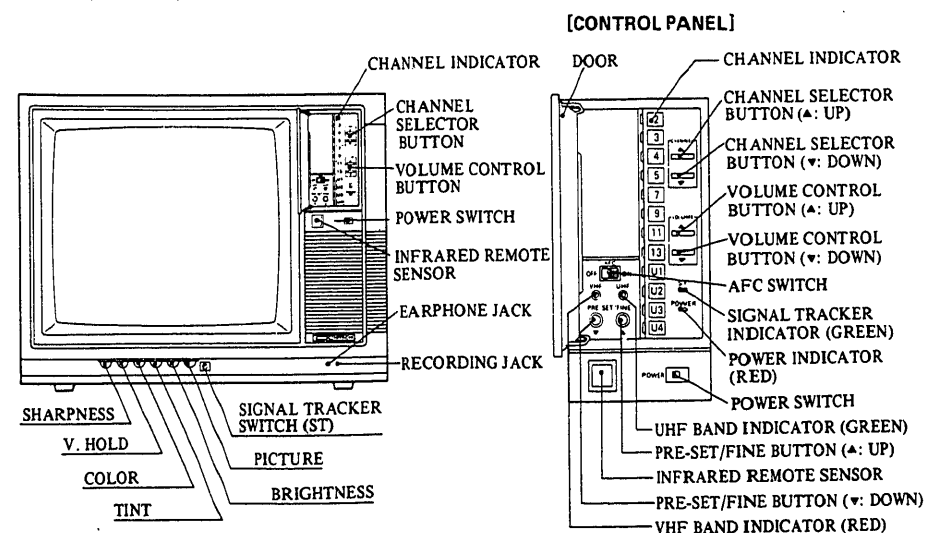
- * THIS DRAWING SHOWS CT19X3.
- ** THE CONTROL LOCATION AND OPERATING METHOD OF THE CT19X3 ARE THE SAME AS THOSE OF THE CT1913.

WIRING DIAGRAM

CT1923/CT19Y3

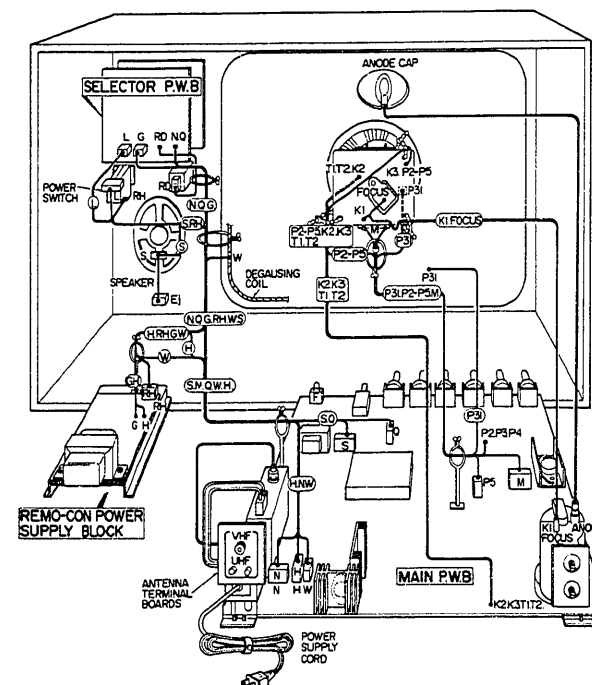


CT1927/CT19Y7/CT1927H



- * THIS DRAWING SHOWS CT19X7.
- ** THE CONTROL LOCATION AND OPERATING METHOD OF THE CT19X7 ARE THE SAME AS THOSE OF THE CT1917.

CT1927/CT19Y7/CT1927H



REPLACEMENT PARTS LIST

PRODUCT SAFETY NOTE: Components marked with a Δ have special characteristics important to safety. Before replacing any of these components, read carefully, the **PRODUCT SAFETY NOTICE** of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

ABBREVIATIONS: Capacitors CD: Ceramic disk, PF: Polyester film, EL: Electrolytic. PP: Polypropylen, PR: Paper.
Resistors CF: Carbon film, CC: Carbon composition, WW: Wire wound.
OMF: Metal oxide film, VR: Variable resistor, FR: Fuse resistor.
[All CD, PF and PP capacitors are $\pm 5\%$, 50V and all resistors, $\pm 5\%$, $\frac{1}{4}W$ unless otherwise noted.]

SYMBOL NO.	PARTS NO.	DESCRIPTION	SYMBOL NO.	PARTS NO.	DESCRIPTION	SYMBOL NO.	PARTS NO.	DESCRIPTION
CAPACITORS			C405	0252532	EL, 200mfd, 16V	C701	0252621	EL, 10mfd, 25V
			C406	0244139	CD, 1000pF, $\pm 10\%$	C705	0252811	EL, 1mfd, 50V
			C408	0244509	CD, 4700pF, $\pm 10\%$	C706	0244111	CD, 6800pF, $\pm 10\%$
C101	0252613	EL, 3.3mfd, 25V	C409	0246442	CE, 12pF	Δ C708	0299978	PP, 5600pF, 630V
C102	0252613	EL, 3.3mfd, 25V	C410	0246719	CD, 62pF	C709	0277015	PF, 0.015mfd, $\pm 10\%$
C103	0252613	EL, 3.3mfd, 25V	C413	0252811	EL, 1mfd, 50V	C710	0277021	PF, 0.047mfd, $\pm 10\%$
C104	0277013	PF, 0.01mfd, $\pm 10\%$	C414	0274759	PF, 4700pF, $\pm 10\%$	Δ C711	0252332	EL, 220mfd, 10V
C106	0252615	EL, 4.7mfd, 25V	C415	0252621	EL, 10mfd, 25V	C713	0299918	PP, 0.022mfd, $\pm 10\%$, 200V
C108	0252615	EL, 4.7mfd, 25V	C416	0274757	PF, 3300pF, 50V			
C109	0252811	EL, 1mfd, 50V	C417	0257537	EL, 4.7mfd, 160V	C714	0244136	CD, 270pF, $\pm 10\%$
C110	0244105	CD, 2200pF, $\pm 10\%$	C419	0243511	CD, 680pF	C716	0244501	CD, 1000pF, $\pm 10\%$, 500V
C111	0244105	CD, 2200pF, $\pm 10\%$	C420	0258585	EL, 22mfd, 160V			
C112	0244105	CD, 2200pF, $\pm 10\%$	C423	0252811	EL, 1mfd, 50V	Δ C717	0299993	PP, 0.018mfd, 630V
C113	0244105	CD, 2200pF, $\pm 10\%$	C424	0244139	CD, 1000pF, $\pm 10\%$	Δ C718	0299994	PP, 0.022mfd, 630V
C151	0252636	EL, 1000mfd, 25V	C429	0243512	CD, 820pF, $\pm 10\%$, 500V	Δ C719	0299994	PP, 0.022mfd, 630V
C152	0252621	EL, 10mfd, 25V				Δ C721	0243837	CD, 330pF, $\pm 10\%$, 2.5kV
C201	0244105	CD, 2200pF, $\pm 10\%$	C430	0257535	EL, 1mfd, 160V			
C202	0244105	CD, 2200pF, $\pm 10\%$	C501	0248682	CD, 82pF	Δ C723	0299929	PP, 0.18mfd, $\pm 10\%$, 200V
C203	0252817	EL, 2.2mfd, 50V	C503	0244171	CD, 0.01mfd, $\pm 5\%$			
C204	0244105	CD, 2200pF, $\pm 10\%$	C504	0252621	EL, 10mfd, 25V	Δ C724	0299928	PP, 0.15mfd, $\pm 10\%$
C205	0252817	EL, 2.2mfd, 50V	C505	0252806	EL, 0.22mfd, 50V	C725	0258589	EL, 100mfd, 160V
C208	0246442	CD, 12pF	C507	0244171	CD, 0.01mfd, $\pm 5\%$	C726	0277025	PF, 0.1mfd, $\pm 10\%$, 200V
C209	0246463	CD, 91pF	C508	0246454	CD, 39pF			
C210	0252811	EL, 1mfd, 50V	C509	0246448	CD, 22pF	C727	0258584	EL, 10mfd, 160V
C211	0274761	PF, 6800pF, 50V	C510	0246450	CD, 27pF	C729	0252536	EL, 1000mfd, 16V
C212	0277019	PF, 0.033mfd, $\pm 10\%$	C511	0277019	PF, 0.033mfd, $\pm 10\%$	Δ C730	0257537	EL, 4.7mfd, 160V
C214	0246463	CD, 91pF	C512	0252621	EL, 10mfd, 25V	C731	0247856	CD, 120pF, $\pm 10\%$, 500V
C215	0244103	CD, 1500pF, $\pm 10\%$	C513	0248672	CD, 33pF			
C217	0252815	EL, 5mfd, 50V	C514	0248684	CD, 100pF	Δ C732	0244565	CD, 4700pF, $\pm 5\%$, 500V
C218	0244103	CD, 1500pF, $\pm 10\%$	C515	0252811	EL, 1mfd, 50V			
C219	0252811	EL, 1mfd, 50V	C517	0244171	CD, 0.01mfd, $\pm 5\%$	C736	0252825	EL, 50mfd, 50V
C220	0274753	PF, 1500pF, 50V	C518	0244136	CD, 270pF, $\pm 10\%$	Δ C740	0299924	PP, 0.068mfd, 10%, 200V
C221	0252522	EL, 20mfd, 15V	C519	0244136	CD, 270pF, $\pm 10\%$			
C227	0248684	CD, 100pF	C520	0244136	CD, 270pF, $\pm 10\%$	C856	0247825	CD, 5pF, 500V
C251	0274755	PF, 2200pF, $\pm 10\%$	C601	0277019	PF, 0.033mfd, $\pm 10\%$	Δ C901	0279744	PF, 0.1mfd, $\pm 10\%$, AC125V
C307	0244139	CD, 1000pF, $\pm 10\%$						
C252	0252811	EL, 1mfd, 50V	C602	0252811	EL, 1mfd, 50V	Δ C902	0249150	CD, 4700pF, AC125V
C253	0276831	PF, 0.047mfd, $\pm 10\%$	C604	0292706	PP, 1mfd, 25V	Δ C903	0249150	CD, 4700pF, AC125V
C301	0252621	EL, 10mfd, 25V	C605	0252621	EL, 10mfd, 25V			
C304	0252615	EL, 4.7mfd, 25V	C606	0252532	EL, 200mfd, 16V	Δ C904	0249150	CD, 4700pF, AC125V
C305	0244139	CD, 1000pF, $\pm 10\%$	C607	0252815	EL, 5mfd, 50V			
C306	0252621	EL, 10mfd, 25V	C608	0258584	EL, 10mfd, 160V	Δ C905	0249150	CD, 4700pF, AC125V
C308	0252621	EL, 10mfd, 25V	C610	0252565	EL, 470mfd, 16V			
C309	0252523	EL, 30mfd, 16V	C611	0252861	EL, 100mfd, 50V	Δ C906	0259854	EL, 420mfd, 200V
C310	0252615	EL, 4.7mfd, 25V	C612	0244565	CD, 4700pF, $\pm 10\%$, 500V	C908	0258584	EL, 10mfd, 160V
C312	0274763	PF, 1000pF, $\pm 10\%$				C0101	0252531	EL, 100mfd, 15V
C313	0253054	EL, 1000mfd, 16V	C613	0277015	PF, 0.033mfd, $\pm 10\%$	C0102	0276833	PF, 0.068mfd
C314	0244116	CD, 180pF, $\pm 10\%$	C615	0277017	PF, 0.022mfd, $\pm 10\%$	C0103	0299990	PP, 2200pF, $\pm 10\%$, 100V
C315	0244113	CD, 330pF, $\pm 10\%$	C616	0252613	EL, 3.3mfd, 25V			
C403	0248672	CD, 33pF	C617	0244103	CD, 1500pF, $\pm 10\%$	C0104	0276823	PF, 0.01mfd
C404	0244171	CD, 0.01mfd, $\pm 5\%$	C620	0243504	CD, 180pF, $\pm 10\%$, 500V			
C317	0252807	EL, 0.33mfd, 50V						

PRODUCT SAFETY NOTE: Components marked with a Δ have special characteristics important to safety. Before replacing any of these components, read carefully, the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

SYMBOL NO.	PARTS NO.	DESCRIPTION	SYMBOL NO.	PARTS NO.	DESCRIPTION	SYMBOL NO.	PARTS NO.	DESCRIPTION
C0105	0251101	EL, 3.3mfd, 25V	RESISTORS			R316	0100089	CF, 10kohm, 1/8W
C0109	0252621	EL, 10mfd, 25V				R317	0100055	CF, 390ohm, 1/8W
C0115	0276823	PF, 0.01mfd				R318	0100099	CF, 27kohm, 1/8W
C0117	0276823	PF, 0.01mfd				R319	0100055	CF, 390ohm, 1/8W
C0118	0252621	EL, 10mfd, 25V				R320	0100091	CF, 12kohm, 1/8W
C0119	0276831	PF, 0.047mfd, $\pm 10\%$				R321	0100091	CF, 12kohm, 1/8W
C0120	0248688	CD, 150pF				R322	0100061	CF, 680ohm, 1/8W
C0121	0248688	CD, 150pF				R323	0100065	CF, 1kohm, 1/8W
C0125	0276823	PF, 0.01mfd				R324	0100091	CF, 12kohm, 1/8W
C0127	0248684	CD, 100pF				R325	0100075	CF, 2.7kohm, 1/8W
C0201	0248734	CD, 270pF, $\pm 10\%$				R326	0100093	CF, 15kohm, 1/8W
C0202	0277011	PF, 6800pF, $\pm 10\%$				R327	0100041	CF, 100ohm, 1/8W
C0203	0244139	CD, 1000pF, $\pm 10\%$				R330	0100089	CF, 10kohm, 1/8W
C0204	0244139	CD, 1000pF, $\pm 10\%$				R331	0100087	CF, 8.2kohm, 1/8W
C0205	0244139	CD, 1000pF, $\pm 10\%$				Δ R340	0119512	FR, 1ohm
C0206	0248688	CD, 22pF	R117	0100097	CF, 22kohm, 1/8W	R401	0100057	CF, 470ohm, 1/8W
C0207	0252532	EL, 200mfd, 16V	R118	0100105	CF, 47kohm, 1/8W	R403	0100065	CF, 1kohm, 1/8W
C0208	0277013	PF, 0.01mfd, $\pm 10\%$	R119	0100065	CF, 1kohm, 1/8W	R404	0110117	OMF, 68ohm, 1W
C0209	0248686	CD, 120pF	R151	0114161	CF, 1kohm	R408	0100121	CF, 220kohm, 1/8W
C0210	0248700	PF, 680pF, $\pm 5\%$	Δ R152	0119505	FR, 2.2ohm	R412	0100109	CF, 68kohm, 1/8W
C0219	0252615	EL, 4.7mfd, 25V	R202	0114137	CF, 180ohm	R413	0100113	CF, 100kohm, 1/8W
C0211	0277029	PF, 0.22mfd, $\pm 10\%$	R204	0100057	CF, 470ohm, 1/8W	R414	0100097	CF, 22kohm, 1/8W
C0212	0277029	PF, 0.22mfd, $\pm 10\%$	R205	0100107	CF, 56kohm, 1/8W	R415	0100053	CF, 330ohm, 1/8W
C0213	0277033	PF, 0.47mfd, $\pm 10\%$	R206	0100093	CF, 15kohm, 1/8W	R417	0100073	CF, 2.2kohm, 1/8W
C0214	0252811	EL, 1mfd, 50V	R207	0100047	CF, 180ohm, 1/8W	R419	0100047	CF, 680ohm, 1/8W
C0217	0277021	PF, 0.047mfd, $\pm 10\%$	R208	0100063	CF, 820ohm, 1/8W	R420	0100109	CF, 68kohm, 1/8W
C0218	0252523	EL, 30mfd, 16V	R209	0100085	CF, 6.8kohm, 1/8W	R421	0110169	OMF, 10kohm, 1W
C1000	0248688	CD, 150pF	R210	0151254	VR, 5kohm-B	R423	0100041	CF, 100ohm, 1/8W
C1001	0248688	CD, 150pF	R211	0100099	CF, 27kohm, 1/8W	R451	0113725	CF, 100ohm, 1/2W
C1002	0252332	EL, 220mfd, 10V	R216	0100109	CF, 68kohm, 1/8W	R501	0100065	CF, 1kohm, 1/8W
C1003	0252621	EL, 10mfd, 25V	R217	0100111	CF, 82kohm, 1/8W	R502	0100113	CF, 100kohm, 1/8W
C1004	0274011	PF, 1000pF	R218	0100065	CF, 1kohm, 1/8W	R503	0100079	CF, 3.9kohm, 1/8W
C1200	0248684	CD, 100pF	R219	0100047	CF, 180ohm, 1/8W	R504	0151257	VR, 50kohm-B
C1201	0248684	CD, 100pF	R220	0100069	CF, 1.5kohm, 1/8W	R505	0100099	CF, 27kohm, 1/8W
C1202	0252261	EL, 1000mfd, 6.3V	R221	0100109	CF, 68kohm, 1/8W	R506	0100103	CF, 39kohm, 1/8W
			R222	0100093	CF, 15kohm, 1/8W	R507	0159557	VR, 10kohm-B
			R223	0151187	VR, 5kohm-B	R510	0100067	CF, 1.2kohm, 1/8W
			R224	0100075	CF, 2.7kohm, 1/8W	R511	0100057	CF, 470ohm, 1/8W
			R231	0100053	CF, 330ohm, 1/8W	R512	0151297	VR, 50kohm-B
			R232	0100051	CF, 270ohm, 1/8W	R513	0100120	CF, 200kohm, 1/8W
			R251	0100085	CF, 6.8kohm, 1/8W	R514	0100062	CF, 750ohm, 1/8W
			R252	0100075	CF, 2.7kohm, 1/8W	R515	0100069	CF, 1.5kohm, 1/8W
			R253	0100085	CF, 6.8kohm, 1/8W	R516	0100073	CF, 2.2kohm, 1/8W
			R254	0100089	CF, 10kohm, 1/8W	R517	0100084	CF, 6.2kohm, 1/8W
			R255	0100107	CF, 56kohm, 1/8W	R518	0100079	CF, 3.9kohm, 1/8W
			R281	0110271	OMF, 12kohm, 2W	R519	0100083	CF, 5.6kohm, 1/8W
			R301	0100068	CF, 1.3kohm, 1/8W	R520	0159557	VR, 10kohm-B
			R302	0100068	CF, 1.3kohm, 1/8W	R522	0100065	CF, 1kohm, 1/8W
			R303	0100043	CF, 120ohm, 1/8W	R523	0100083	CF, 5.6kohm, 1/8W
			R304	0100057	CF, 470ohm, 1/8W	R524	0100079	CF, 3.9kohm, 1/8W
			R305	0159751	VR, 1kohm-C	R525	0100079	CF, 3.9kohm, 1/8W
			R306	0137560	CF, 240ohm, 1/4W	R526	0100079	CF, 3.9kohm, 1/8W
			R307	0100039	CF, 82ohm, 1/8W	R527	0100053	CF, 330ohm, 1/8W
			R308	0159704	VR, 10kohm-B	R528	0100053	CF, 330ohm, 1/8W
			R309	0100077	CF, 3.3kohm, 1/8W	R529	0100053	CF, 330ohm, 1/8W
			R310	0100093	CF, 15kohm, 1/8W	R530	0100087	CF, 8.2kohm, 1/8W
			R311	0151338	VR, 5kohm-B	R531	0100079	CF, 3.9kohm, 1/8W
			R312	0159553	VR, 5kohm-B	R532	0100089	CF, 10kohm, 1/8W
			R313	0100093	CF, 15kohm, 1/8W	R534	0100121	CF, 220kohm, 1/8W
			R314	0100109	CF, 68kohm, 1/8W	R535	0100089	CF, 10kohm, 1/8W

Improper servicing.								
SYMBOL NO.	PARTS NO.	DESCRIPTION	SYMBOL NO.	PARTS NO.	DESCRIPTION	SYMBOL NO.	PARTS NO.	DESCRIPTION
R601	0100087	CF, 8.2kohm, 1/8W	R868	0113760	CF, 2.7kohm, 1/2W	R0215	0114153	CF, 820ohm
R602	0100041	CF, 100ohm, 1/8W	R869	0113754	CF, 1.5kohm, 1/2W	R0216	0114153	CF, 820ohm
R603	0100089	CF, 10kohm, 1/8W	R877	0110271	OMF, 12kohm, 1W	R0217	0114153	CF, 820ohm
R604	0100073	CF, 2.2kohm, 1/8W	R878	0110271	OMF, 12kohm, 1W	R0218	0114153	CF, 820ohm
R605	0100097	CF, 22kohm, 1/8W	R879	0110271	OMF, 12kohm, 1W	R0219	0114153	CF, 820ohm
R606	0100089	CF, 10kohm, 1/8W	R880	0100035	CF, 56ohm, 1/8W	R0220	0114153	CF, 820ohm
R607	0100080	CF, 4.3kohm, ±5%	R881	0100035	CF, 56ohm, 1/8W	R0221	0114153	CF, 820ohm
R609	0151279	VR, 200ohm-B	R882	0100035	CF, 56ohm, 1/8W	R0222	0114153	CF, 820ohm
R610	0100047	CF, 180ohm, 1/8W	Δ R901	0139015	CC, 1mohm, ±10%, 1/2W	R0223	0114153	CF, 820ohm
R611	0114014	CF, 7.5ohm				R0224	0114153	CF, 820ohm
R612	0100089	CF, 10kohm, 1/8W	Δ R902	0141066	WW, 2.7ohm, 8W	R0225	0100113	CF, 100kohm, 1/8W
R613	0114149	CF, 560ohm	R903	0113778	CF, 15kohm, 1/2W	R0226	0100113	CF, 100kohm, 1/8W
R614	0113762	CF, 3.3kohm, 1/2W	R904	0114057	CF, 47ohm	R0227	0100101	CF, 33kohm, 1/8W
R615	0113762	CF, 3.3kohm, 1/2W	R905	0100117	CF, 150kohm, 1/8W	R0228	0100113	CF, 100kohm, 1/8W
R618	0113760	CF, 2.7kohm, 1/2W	R906	0100117	CF, 150kohm, 1/8W	R0229	0100089	CF, 10kohm, 1/8W
R621	0113705	CF, 15ohm, 1/2W	R0101	0114139	CF, 220ohm	R0230	0100075	CF, 2.7kohm, 1/8W
R622	0110177	OMF, 22kohm, 1W	R0102	0100105	CF, 47kohm, 1/8W	R0231	0100075	CF, 2.7kohm, 1/8W
R623	0114173	CF, 3.3kohm	R0103	0100097	CF, 22kohm, 1/8W	R0234	0114161	CF, 1kohm
Δ R624	0111772	OMF, 680ohm, 5W	R0104	0114143	CF, 330ohm	R0235	0100113	CF, 100kohm, 1/8W
R625	0113742	CF, 470ohm, 1/2W	R0105	0114143	CF, 330ohm	R0236	0100113	CF, 100kohm, 1/8W
R626	0159568	VR, 5kohm-B	R0106	0100081	CF, 4.7kohm, 1/8W	R0239	0100105	CF, 47kohm, 1/8W
R629	0114041	CF, 10ohm	R0107	0100081	CF, 4.7kohm, 1/8W	R0240	0100093	CF, 15kohm, 1/8W
R630	0100057	CF, 470ohm, 1/8W	R0108	0100105	CF, 47kohm, 1/8W	R0241	0100093	CF, 15kohm, 1/8W
R631	0100111	CF, 82kohm, 1/8W	R0109	0100105	CF, 47kohm, 1/8W	R0242	0100089	CF, 10kohm, 1/8W
R632	0100041	CF, 100ohm, 1/8W	R0110	0100105	CF, 47kohm, 1/8W	R0243	0100089	CF, 10kohm, 1/8W
R633	0100053	CF, 330ohm, 1/8W	R0111	0100069	CF, 1.5kohm, 1/8W	R0244	0100089	CF, 10kohm, 1/8W
R634	0100047	CF, 180ohm, 1/8W	R0112	0100089	CF, 10kohm, 1/8W	R0242	0100081	CF, 4.7kohm, 1/8W
R635	0100065	CF, 1kohm, 1/8W	R0113	0100089	CF, 10kohm, 1/8W	R0243	0100081	CF, 4.7kohm, 1/8W
R636	0100055	CF, 390ohm, 1/8W	R0115	0100091	CF, 12kohm, 1/8W	R0244	0100081	CF, 4.7kohm, 1/8W
R705	0100085	CF, 6.8kohm, 1/8W	R0116	0100091	CF, 12kohm, 1/8W	R0245	0100083	CF, 5.6kohm, 1/8W
R706	0100109	CF, 68kohm, 1/8W	R0118	0100065	CF, 1kohm, 1/8W	R0246	0100083	CF, 5.6kohm, 1/8W
Δ R707	0151187	VR, 5kohm-B	R0124	0100117	CF, 150kohm, 1/8W	R0247	0100083	CF, 5.6kohm, 1/8W
Δ R708	0100083	CF, 5.6kohm, 1/8W	R0126	0100117	CF, 150kohm, 1/8W	R0248	0100073	CF, 2.2kohm, 1/8W
Δ R709	0100080	CF, 4.3kohm, 1/8W	R0130	0100087	CF, 8.2kohm, 1/8W	R0249	0151264	VR, 10kohm-B
R710	0100033	CF, 47ohm, 1/8W	R0131	0100087	CF, 8.2kohm, 1/8W	R0250	0100075	CF, 2.7kohm, 1/8W
Δ R711	0100083	CF, 5.6kohm, 1/8W	R0132	0100083	CF, 5.6kohm, 1/8W	R0251	0100105	CF, 47kohm, 1/8W
R713	0114205	CF, 15kohm	R0133	0100079	CF, 3.9kohm, 1/8W	R0252	0100089	CF, 10kohm, 1/8W
Δ R714	0119505	FR, 2.2ohm	R0137	0100093	CF, 15kohm, 1/8W	R0253	0100087	CF, 8.2kohm, 1/8W
Δ R715	0119512	FR, 1ohm	R0138	0100089	CF, 10kohm, 1/8W	R0254	0100087	CF, 8.2kohm, 1/8W
R717	0110133	OMF, 330ohm, 1W	R0139	0100071	CF, 1.8kohm, 1/8W	R0255	0100087	CF, 8.2kohm, 1/8W
R718	0114281	CF, 100kohm	R0141	0100067	CF, 1.2kohm, 1/8W	R0256	0100061	CF, 680ohm, 1/8W
Δ R721	0119505	FR, 2.2ohm	R0142	0151187	VR, 5kohm-B	R0257	0100101	CF, 33kohm, 1/8W
R725	0113774	CF, 10kohm, 1/2W	R0146	0100081	CF, 4.7kohm, 1/8W	R0258	0100083	CF, 5.6kohm, 1/8W
R726	0113772	CF, 8.2kohm, 1/2W	R0147	0100081	CF, 4.7kohm, 1/8W	R0259	0100105	CF, 47kohm, 1/8W
R728	0113758	CF, 2.2kohm, 1/2W	R0155	0100081	CF, 4.7kohm, 1/8W	R0260	0100073	CF, 2.2kohm, 1/8W
Δ R734	0100044	CF, 130ohm, 1/8W	R0156	0100083	CF, 5.6kohm, 1/8W	R0261	0100073	CF, 2.2kohm, 1/8W
R735	0113754	CF, 1.5kohm, 1/2W	R0201	0100089	CF, 10kohm, 1/8W	R0262	0100069	CF, 1.5kohm, 1/8W
R750	0114218	CF, 51kohm	R0202	0100089	CF, 10kohm, 1/8W	R0263	0100113	CF, 100kohm, 1/8W
R850	0100045	CF, 150ohm, 1/8W	R0203	0100089	CF, 10kohm, 1/8W	R0264	0100113	CF, 100kohm, 1/8W
R852	0100067	CF, 1.2kohm, 1/8W	R0204	0100089	CF, 10kohm, 1/8W	R0265	0100101	CF, 83kohm, 1/8W
R853	0151338	VR, 5kohm-B	R0205	0100089	CF, 10kohm, 1/8W	R0266	0100099	CF, 27kohm, 1/8W
R854	0100050	CF, 240ohm, 1/8W	R0206	0100089	CF, 10kohm, 1/8W	R0267	0100060	CF, 620ohm, 1/8W
R856	0151334	VR, 200ohm-B	R0207	0100089	CF, 10kohm, 1/8W	R0268	0100059	CF, 560ohm, 1/8W
R858	0100067	CF, 1.2kohm, 1/8W	R0208	0100089	CF, 10kohm, 1/8W	R0269	0114161	CF, 1kohm
R859	0151338	VR, 5kohm-B	R0209	0100089	CF, 10kohm, 1/8W	R0270	0100043	CF, 120ohm, 1/8W
R860	0100047	CF, 180ohm, 1/8W	R0210	0100089	CF, 10kohm, 1/8W	R1000	0100111	CF, 82kohm, 1/8W
R862	0151334	VR, 200ohm-B	R0211	0100089	CF, 10kohm, 1/8W	R1001	0100111	CF, 82kohm, 1/8W
R864	0100067	CF, 1.2kohm, 1/8W	R0212	0100089	CF, 10kohm, 1/8W	R1002	0100089	CF, 10kohm, 1/8W
R865	0151338	VR, 5kohm-B	R0213	0114153	CF, 820ohm	R1003	0100101	CF, 33kohm, 1/8W
R867	0113754	CF, 1.5kohm, 1/2W	R0214	0114153	CF, 820ohm	R1004	0100049	CF, 220ohm, 1/8W

SYMBOL NO.	PARTS NO.	DESCRIPTION	SYMBOL NO.	PARTS NO.	DESCRIPTION	SYMBOL NO.	PARTS NO.	DESCRIPTION
R 1005	0114059	CF, 56ohm	△ D902	2331991	R02A	ZD102	2330631	HZ-7 (A)
R 1200	0100077	CF, 3.3kohm, 1/8W	△ D903	2331991	R02A	ZD103	2331154	HZ-12 (A)/(B)/(C)
R 1201	0100045	CF, 150ohm, 1/8W	△ D904	2331991	R02A	ZD130	2332781	RD5.1EB-F
SEMICONDUCTOR			D0101	2330351	1S2076	ZD131	2332751	HZ-7 (A)/(B)
			D0102	2330351	1S2076	ZD151	2331844	HZ12 (B)
			D0107	2330351	1S2076	ZD202	2331858	HZ-4 (B)
			D0201	2332031	SLR-53URT	ZD203	2331858	HZ-4 (B)
			D0202	2332031	SLR-53URT	ZD702	2331161	HZ-11 (A)/(B)/(C)
			D0203	2332031	SLR-53URT	ZD703	2333855	RD24E
			D0204	2332031	SLR-53URT	ZD0201	2331084	μPD-574J (AC)
			D0205	2332031	SLR-53URT	ZD0203	2331858	HZ-4 (B)
			D0206	2332031	SLR-53URT	ZD0204	2330634	HZ-7 (A)/(B)
			D0207	2332031	SLR-53URT	COIL/TRANSFORMER		
Q 101	2320595	2SC458 (D)	D0208	2332031	SLR-53URT			
Q 102	0572480	2SC458 (B)	D0209	2332031	SLR-53URT			
Q 103	0573480	2SC458 (B)	D0210	2332031	SLR-53URT			
Q 151	2323432	2SC1983 (R)/(O)/(N)	D0211	2332031	SLR-53URT			
Q 305	2320595	2SC458 (D)	D0212	2332031	SLR-53URT			
Q 306	2320637	2SA673 (C)/(D)	D0213	2332031	SLR-53URT			
Q 307	2320595	2SC458 (D)	D0214	2332032	SLR-53GG			
Q 308	2320595	2SC458 (D)	D0215	2332031	SLR-53URT			
Q 401	2321591	2SD401 AK	D0216	2330351	1S2076	L201	2122301	Lap coil
Q 402	2321591	2SD401 AK	D0217	2330351	1S2076	L205	2120079	Peaking coil
Q 601	2321306	2SD401/401A	D0218	2330351	1S2076	L206	2142015	Mold IF coil
Q 602	2321306	2SD401/401A	D0219	2330351	1S2076	L207	2142015	Mold IF coil
△ Q 701	2321992	2SC2271 (M)/(N)	D0220	2330351	1S2076	L208	2121693	Peaking coil
△ Q 702	2323021	2SD898 (B)	D0221	2330351	1S2076	L209	2120482	Filter coil
Q 851	2321221	2SC1514	D0222	2330351	1S2076	L210	2120482	Filter coil
Q 852	2321221	2SC1514	D0223	2330351	1S2076	L304	2121702	Peaking coil
Q 853	2321221	2SC1514	D0224	2330351	1S2076	L305	2121699	Peaking coil
Q 0101	2322191	2SC1740 (R)	D0225	2330351	1S2076	L404	2121698	Peaking coil
Q 0102	2322191	2SC1740 (R)	D0226	2330351	1S2076	L405	2141012	Discr coil
Q 0103	2322191	2SC1740 (R)	D0227	2330351	1S2076	L701	2120482	Filter coil
Q 0104	2320637	2SA673 (C)/(D)	D0228	2330351	1S2076	L702	2122213	Filter coil
Q 0110	2320644	2SC1213 (D)	D0229	2332032	SLR-53GG	L851	2121708	Peaking coil
Q 0112	0573480	2SC458 (B)	D0230	2330351	1S2076	L901	2121672	Line filter coil
Q 0201	0573480	2SC458 (B)	D0231	2330351	1S2076	L902	2162416	Degaussing coil
Q 0202	2320637	2SA673 (C)/(D)	D0232	2330351	1S2076	L0201	2121706	Peaking coil
Q 0203	2320637	2SA673 (C)/(D)	D0233	2330351	1S2076	T151	2211863	Power trans
Q 0204	2320637	2SA673 (C)/(D)	D0234	2330351	1S2076	T401	2250359	Sound output trans.
Q 0205	2320663	2SC1213AC	D0235	2330351	1S2076	T501	2141533	Band pass trans.
Q 0206	2322191	2SC1740 (R)	D0236	2330351	1S2076	T701	2260021	H. Drive trans.
Q 0208	2322191	2SC1740 (R)	D0237	2330351	1S2076	T702	2270521	Pin cushion trans.
Q 0209	2320637	2SA673 (C)/(D)	D0238	2330351	1S2076	T703	2432811	Flyback trans.
Q 1200	2321831	2SC458 (C)/(D)	D0239	2330351	1S2076	T0101	2162012	38kHz trans.
Q 1201	2321893	2SB562 (C)	D0240	2330351	1S2076	MISCELLANEOUS		
D 102	2330351	1S2076	D0241	2330351	1S2076			
D 103	2330351	1S2076	D0242	2330351	1S2076			
D 151	2332791	PB-151	D0243	2330351	1S2076			
D 152	2331201	W068 (CT2017)	D0244	2330351	1S2076			
D 251	2330351	1S2076	D0245	2330351	1S2076			
D 252	2330351	1S2076	D0246	2330351	1S2076			
D 301	2330351	1S2076	D0247	2330351	1S2076			
D 302	2330351	1S2076	D0248	2330351	1S2076			
D 403	2330351	1S2076	D0249	2330351	1S2076			
D 601	2330351	1S2076	D0250	2330351	1S2076			
D 602	2330351	1S2076	D0251	2330351	1S2076			
D 702	2330352	1S2076A	D0252	2330351	1S2076			
D 703	2332251	RH-1S	D0253	2330351	1S2076			
D 704	2332141	RH-1Z	D0254	2330351	1S2076			
△ D 705	2332851	EH-1Z	D0255	2330351	1S2076			
D 709	2330352	1S2076A	D0256	2330351	1S2076			
D 710	2332851	EH-1Z	D0257	2330351	1S2076			
△ D 901	2331991	R02A	D0258	2330351	1S2076			

PRODUCT SAFETY NOTE: Components marked with a △ have special characteristics important to safety. Before replacing any of these components, read carefully, the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

SYMBOL NO.	PARTS NO.	DESCRIPTION	SYMBOL NO.	PARTS NO.	DESCRIPTION
MISCELLANEOUS			X501	3719342	Canoe rivet
				4251731	Channel number sheet
				4614791	Wedge
				2790441	Crystal
				2687951	VHF antenna adaptor
CP201	2300073	SAW filter HW2063	△ TH901	2340263	Thermistor
△ CP701	2370152	Module HM7101HD		2640274	Power relay
△ CP901	2370424	Module HM9044		2353461	CRT 19VNC22
MF201	2142241	Ceramic filter 4.5MHz			(CT19Y3/CT1927H)
MF401	2140631	Compound component		2352972	CRT 510YT822
△ F901	2720587	Fuse 4A			(CT19Y7/CT1923)
△ F902	2720811	Fuse 1A		2352861	CRT 19VKUP22
DL301	2162294	Delay line			(CT1927)
△ J451	2670292	Jack Earphone		2980201	Antenna terminal board
△ J452	2670292	Jack Earphone		3134485	Cabinet (CT19Y3)
SG850	2340038	Spark gap	△ V1	3226515	Control panel
△ SP451	2411291	Speaker 80x120MM			(CT19Y3)
S0201	2631441	4 key switch		3226516	Control panel
S0202	2631441	4 key switch			(CT19Y7)
S0204	2631441	4 key switch		3261772	Knob-Preset (Gray)
S0205	2631441	4 key switch		3262783	Knob-APS
S0208	2631441	4 key switch			(CT19Y3/CT19Y7)
S0209	2631441	4 key switch		3262341	Knob-APS (CT1927)
S0212	2631441	4 key switch		3264212	Knob-Touch (CT19Y3)
S0213	2620281	Slide switch		3264211	Knob-Touch (CT19Y7)
S0214	2630631	Switch-key	S0203	3766231	Door (CT19Y3)
S0215	2630631	Switch-key		3766232	Door (CT19Y7)
S0216	2631241	2 key switch		3767231	Antenna base
S0217	2631241	2 key switch			
S0218	2631241	2 key switch		2631441	4 key switch
S0219	2631241	2 key switch		2631441	4 key switch
S501	2630771	Push switch		2631441	4 key switch
S901	2631171	Push rock switch (R452)		2631441	4 key switch
		(CT1923/CT19Y3)			
S901	2631472	Power switch (CT1927/CT19Y7/CT1927H)			
	0043209	Telescopic antenna	S0206	2631441	4 key switch
	2423456	Tuner ET-341	S0207	2631441	4 key switch
	2441553	Deflection yoke	S0210	2631441	4 key switch
	2580842	Remote control transmitter CLU-600	S0211	2631441	4 key switch
	2580851	Remote control receiver CRU-100			
	2658893	CPT socket			
	2720221	Fuse holder			
	2730063	Earphone			
	2742553	Power cord			
	2750243	Rod antenna ASS (Telescopic antenna)			
	2750341	Loop antenna SASS			
	2687562	Antenna box			
	2771831	C-F magnet			
	2771891	Flight beads core 003			
	2782611	Center pin			
	3134504	Cabinet ASS (CT1923)			
	3134505	Cabinet ASS (CT1927)			
	3263561	Knob-Main (CT19Y3)			
	2790321	Filter CSB-455A/C			
	3262418	Knob VR (CT1923, CT1927H)			
	3330941	Earth spring			
	3453206	Back cover assy (CT1927)			
	3455631	Back cover (CT1923)			
	3455632	Back cover (CT19Y3/CT19Y7)			

HITACHI PARTS ORDERING INFORMATION

To receive original replacement parts, please contact your nearest HITACHI Parts Distributor or contact Hitachi Central Parts Warehouse listed below. Be sure to indicate part catalog number, part description and model number (located on back of product).

THE ELECTRONIC DISTRIBUTION CO.

1509 E. Del. Amo Blvd. Carson, CA. 90746

Phone #213-639-4120

TEL-VIDEO CORPORATION

1921 N. Milwaukee Avenue Chicago, ILL. 60647

Phone #312-235-6190

REMCOR ELECTRONICS

10670 W. 9 Mile Road Oak Park, MI. 48237

Phone #313-541-5666

VANCE BALDWIN, INC.

7700 N.W. 7th Avenue Miami, FLA. 33150

Phone #305-693-2921

PANSON ELECTRONICS

32-70 31st ST. Long Island City, N.Y. 11106

Phone #212-545-8888

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3211 Washington St. Jamaica Plain, MA. 02130

Phone #617-522-9330

MARTIN WHOLESALE, INC.

6 Terrace Shopping Center Richardson, Tx. 75081

Phone #214-231-1826

HARCO ELECTRONICS, INC.

Carsin Run Aberdeen, MD. 21001

Phone #301-838-7990

HITACHI SERVICE MANUALS

To order HITACHI Service Manuals contact:

HITACHI SALES CORPORATION OF AMERICA

Central Parts Warehouse 401 W. Artesia Blvd.

Compton, CA 90220

Phone #213-537-8383

For information concerning repairs, operation or technical assistance, please contact the Service Manager of the nearest Hitachi Regional Office, Service Division listed:

Southern Regional Office

510 Plaza Dr. College Park, GA 30349

Phone #404-763-0360

Mid-Western Regional Office

1400 Morse Avenue Elk Grove Village, IL 60007

Phone #312-593-1550

Eastern Regional Office

1200 Wall Street West Lyndhurst, NJ 07071

Phone #201-935-8980

Western Regional Office

401 W. Artesia Blvd. Compton, CA 90220

Phone #213-537-8383



HITACHI SALES CORPORATION OF AMERICA

NATIONAL HEADQUARTERS OFFICE:	401 West Artesia Blvd., Compton Calif. 90220	Tel. 213-537-8383
Western Regional Office:	401 West Artesia Blvd., Compton Calif. 90220	Tel. 213-537-8383
Eastern Regional Office:	1200 Wall St. West, Lyndhurst, N.J. 07071	Tel. 201-935-8980
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Southern Regional Office:	510 Plaza DR., College Park, Georgia 30349	Tel. 404-763-0360

HITACHI SALES CORPORATION OF HAWAII, INC.

3219 Koapaka Street Honolulu, Hawaii 96819	Tel. 836-3621
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HITACHI SALES CORPORATION DE PANAMA, S.A.

Apartado 7656, Panama 5, Calle Ramon Arias Y Calle B, Edificio Brasil 100, Nuevo Reparto el Carmen, Republic de Panama	Tel. 61-3100
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NP81X-P Chassis